

## Current session 17/07/2002

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QUESTEL.ORBIT (TM) 1998

17/07/02 17\*21\*16

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QUESTEL - Time in minutes : 0,70  
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New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT  
Last database update: 2002/07/17 (YYYY/MM/DD) 2002-28/UP (basic update)

Search statement 1

## Query/Command : us5792573/pn

## \*\* SS 1: Results 1

Search statement 2

## Query/Command : prt full nonstop legalall

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1/1 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5792573 A 19980811 [US5792573]

TI - (A) Rechargeable battery adapted to be attached to orthopedic device

IN - (A) ALEXSON CHARLES E (US); PITZEN JAMES F (US); SMITH JEFFREY D (US)

AP - US69288696 19960724 [1996US-0692886]

**PR** - US69288696 19960724 [1996US-0692886]  
US25833894 19940610 [1994US-0258338]

**IC** - (A) H01M-002/10

**EC** - B25F-005/02  
H02K-007/14B  
H02K-011/00

**PCL** - ORIGINAL (O) : 429097000; CROSS-REFERENCE (X) : 429098000 429099000

**DT** - Basic

**CT** - USD364463; US2261230; US2460149; US3120845; US3494799; US3734207;  
US3943934; US3999110; US4050528; US4091880; US4386609; US4441563; US4447749;  
US4728876; US4736742; US4751452; US4834092; US4835410; US4871629; US4873461;  
US5026384; US5089738; US5122427; US5136469; US5207697; US5213913; US5235261;  
US5244755; US5263972; US5265343; US5306285; US5360073; US5388749; EP0272434;  
DE3317398  
Japanese Abstract, 1484694, Portable Drills, Aug. 27, 1974 (1 page).

Product brochure entitled: "Maxion.TM. Cordless Powered Instrument System", by 3M HealthCare, (31 pages). (No Date).

Product brochure entitled: "The K-100 Mini-Driver System, Cleaning and Lubrication", by 3M Surgical Products Division (5 pages). (No Date).

Product brochure entitled: "Cordless 800 Wire Driver", by Dyonics, 1984, (2 pages). (No Month).

Product brochure entitled: "Cordless 200 Reamer", by Dyonics, 1984, (2 pages). (No Month).

Product brochure entitled: "Cordless 450 Orthopaedic Drill", by Dyonics, 1984, (2 pages). (No Month).

Product brochure entitled: "Mini-Driver.TM. Air Instrument System", by 3M, 1975, (4 pages). (No Month).

Product brochure entitled: "Acculan", by Aesculap.RTM., (4 pages). (No Date).

Product brochure entitled: "Cordless Sagittal Saw", by Dyonics, 1984, (2 pages). (No Month).

Product brochure entitled: "The Only Cordless Instrument Powerful Enough to be Stryker", by Stryker.RTM., (4 pages). (No Date).

Product brochure entitled: "System 2000 Battery Powered Instruments", by Stryker.RTM., 1993 (18 pages). (No Month).

Product brochure entitled: "System 2000 Battery Powered Instruments", by Stryker.RTM. (11 pages). (No Date).

Instruction Manual entitled: "The Hall.RTM. Orthair.TM. System" by Zimmer USA, (12

pages). (No Date).

Product brochure entitled: "Maxion.TM. Cordless Powered Instrument System, Assembly, Operation and Maintenance", by 3M HealthCare (6 ges). (No Date).

Hall.RTM. Versipower.TM. Dual Power Orthopaedic Instruments, by Zimmer, 1989, (6 pages). (No Month).

Product Insert entitled "Mark III Electric Tool" by Avery Dennison, (1 page). (No Date).

Operating Instructions entitled, "Mark III Electric Tool", by Avery Dennison, (12 pages). (No Date).

**STG** - (A) United States patent

**AB** - A cordless drive assembly for driving various orthopedic surgical instruments is described. The drive assembly is battery powered and includes tracks in the handle portion of its housing for receiving the battery. A latch locks the battery to the housing.

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*1/1 LGST - ©LEGSTAT*

**PN** - US 5792573 [US5792573]

**AP** - US 692886/96 19960724 [1996US-0692886]

**DT** - US-P

**ACT** - 19960724 US/AE-A  
APPLICATION DATA (PATENT)

US 692886/96 19960724 [1996US-0692886]

19980811 US/A

PATENT

20001003 US/RF

REISSUE APPLICATION FILED

20000811

20011204 US/RF

REISSUE APPLICATION FILED

20010305

**UP** - 2001-50

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*1/1 CRXX - ©CLAIMS/RRX*

**PN** - 5,792,573 A 19980811 [US5792573]

**PA** - Alexson, Charles E; Pitzen, James F; Smith, Jeffrey D

**ACT** - 20000811 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20001003

REISSUE REQUEST NUMBER: 09/637339

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1741

Reissue Patent Number:

20010305 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20011204  
REISSUE REQUEST NUMBER: 09/954526  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1741

Reissue Patent Number:

20010326 REASSIGNED  
ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: MINNESOTA MINING AND MANUFACTURING COMPANY DATE  
SIGNED: 09/19/2000

Assignee: LINVATEC CORPORATION 11311 CONCEPT BLVD LARGO, FLORIDA  
33733

Reel 011648/Frame 0232

Contact: LINVATEC CORPORATION GENE WARZECZA 11311 CONCEPT BLVD  
LARGO, FL 33773

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1/1 PAST - ©Thomson Derwent

**AN** - 200040-000916

**PN** - 5792573 A [US5792573]

**OG** - 2000-10-03

**ACT** - REISSUE APPLICATION FILED

Query/Command : file inpadoc

PLUSPAT - Time in minutes : 0,59  
The cost estimation below is based on Questel's  
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Records displayed and billed	Estimated cost :	1.29 USD
	Estimated cost :	1.10 USD
Cost estimated for the last database search	:	2.39 USD
Estimated total session cost	:	2.99 USD

LGST - Time in minutes : 0,02  
The cost estimation below is based on Questel's  
standard price list

Records displayed and billed	Estimated cost :	0.02 USD
	Estimated cost :	0.02 USD

Estimated cost : 0.57 USD  
Legal-Status informations : 1  
Estimated cost : 4.92 USD  
Cost estimated for the last database search : 5.51 USD  
Estimated total session cost : 8.50 USD

CRXX - Time in minutes : 0,03  
The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.04 USD  
Records displayed and billed : 1  
Estimated cost : 5.00 USD  
Legal-Status informations : 1  
Estimated cost : 4.92 USD  
Cost estimated for the last database search : 9.96 USD  
Estimated total session cost : 18.46 USD

PAST - Time in minutes : 0,04  
The cost estimation below is based on Questel's  
standard price list

Estimated cost : 0.07 USD  
Records displayed and billed : 1  
Estimated cost : 5.61 USD  
Legal-Status informations : 1  
Estimated cost : 4.92 USD  
Cost estimated for the last database search : 10.60 USD  
Estimated total session cost : 29.06 USD

LITA - Time in minutes : 0,01  
The cost estimation below is based on Questel's  
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Estimated cost : 0.01 USD  
Cost estimated for the last database search : 0.01 USD  
Estimated total session cost : 29.07 USD

Selected file: INPADOC

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For information on content, (...)INFO INPD.

Search statement 1

Query/Command : fam us5792573/pn

1 Patent Groups

\*\* SS 1: Results 3

Search statement 2

Query/Command : famstate nonstop

## 1/3 INPADOC - ©INPADOC

**PN** - DE 29509191 U1 19951005 [DE29509191]  
**TI** - ORTHOPAEDISCHE OPERATIONSVORRICHTUNG  
**PA** - MINNESOTA MINING & MFG [US]  
**AP** - DE 29509191/95-U 19950602 [1995DE-2009191]  
**PR** - US 258338/94-A 19940610 [1994US-0258338]  
**IC** - A61B-017/00; H02J-007/00; H02P-007/00; H02K-007/10; H02K-007/14; A61B-017/068; A61B-017/10; A61B-017/14; A61B-017/16; A61B-017/56; A61B-017/68

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## 2/3 INPADOC - ©INPADOC

**PN** - US 5553675 A 19960910 [US5553675]  
**TI** - ORTHOPEDIC SURGICAL DEVICE  
**IN** - PITZEN JAMES F [US]; SMITH JEFFREY D [US]; ALEXSON CHARLES E [US]  
**PA** - MINNESOTA MINING & MFG [US]  
**AP** - US 258338/94-A 19940610 [1994US-0258338]  
**PR** - US 258338/94-A 19940610 [1994US-0258338]  
**IC** - A61B-017/32

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## 1/1 LEGALI - ©LEGSTAT

**PN** - US 5553675 [US5553675]  
**AP** - US 258338/94 19940610 [1994US-0258338]  
**DT** - US-P  
**ACTE** - 19940610 US/AE-A  
APPLICATION DATA (PATENT)  
US 258338/94 19940610 [1994US-0258338]  
  
19940610 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
MINNESOTA MINING AND MANUFACTURING COMPANY P.O. BOX 33427 ST.  
PAUL, MN 55133-34 \* PITZEN, JAMES F. : 19940610; SMITH, JEFFREY D. :  
19940610; ALEXSON, CHARLES E. : 19940610  
  
19960910 US/A  
PATENT  
**UP** - 1999-18

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## 3/3 INPADOC - ©INPADOC

**PN** - US 5792573 A 19980811 [US5792573]  
**TI** - RECHARGEABLE BATTERY ADAPTED TO BE ATTACHED TO ORTHOPEDIC  
DEVICE  
**IN** - PITZEN JAMES F [US]; SMITH JEFFREY D [US]; ALEXSON CHARLES E [US]  
**PA** - PITZEN JAMES F [US]; SMITH JEFFREY D [US]; ALEXSON CHARLES E [US]  
**AP** - US 692886/96-A 19960724 [1996US-0692886]

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**PR** - US 692886/96-A 19960724 [1996US-0692886]  
US 258338/94-A3 19940610 [1994US-0258338]  
**IC** - H01M-002/10

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*1/1 LEGALI - ©LEGSTAT*

**PN** - US 5792573 [US5792573]  
**AP** - US 692886/96 19960724 [1996US-0692886]  
**DT** - US-P  
**ACTE** - 19960724 US/AE-A  
APPLICATION DATA (PATENT)  
US 692886/96 19960724 [1996US-0692886]

19980811 US/A  
PATENT

20001003 US/RF  
REISSUE APPLICATION FILED  
20000811

20011204 US/RF  
REISSUE APPLICATION FILED  
20010305

**UP** - 2001-50

PATNO IS 5792573

DATE: JULY 17, 2002  
LIBRARY: PATENT  
FILE: ALL

Your search request is:  
PATNO IS 5792573

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LEVEL 1... 1

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For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 5792573 , August 11, 1998 , Rechargeable battery adapted to be attached to orthopedic device , Pitzen, James F., P.O. Box 33427 St. Paul, MN 55133-3427; Smith, Jeffrey D., P.O. Box 33427 St. Paul, MN 55133-3427; Alexson, Charles E., P.O. Box 33427 St. Paul, MN 55133-3427, 08692886

CORE TERMS: battery, drive, housing, terminal, handle, cell, orthopedic, handgrip, cantilever, electrical ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5792573

<=1> GET 1st DRAWING SHEET OF 9

August 11, 1998

Rechargeable battery adapted to be attached to orthopedic device

REISSUE: March 5, 2001 - Reissue Application filed Mar. 5, 2001 (O.G. Dec. 4, 2001) Ex. Gp.: 1741; Re. S.N. 09/954,526 Reissue Application filed Aug. 11, 2000 (O.G. Oct. 3, 2000) Ex. Gp.: 1741; Re. S.N. 09/637,339 December 4, 2001

APPL-NO: 08692886

FILED-DATE: July 24, 1996

GRANTED-DATE: August 11, 1998

CORE TERMS: battery, drive, housing, terminal, handle, cell, orthopedic, handgrip, cantilever, electrical ...

ENGLISH-ABST:

A cordless drive assembly for driving various orthopedic surgical instruments is described. The drive assembly is battery powered and includes tracks in the handle portion of its housing for receiving the battery. A latch locks the battery to the housing.

5792573 OR 5,792,573

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